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GAU 1646

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Miao et al.

Serial No: 08/900,220

Filed: July 24, 1997

For: Method of Treating Dopaminergic and
GABA-nergic Disorders

Art Unit: 1646
Attorney Docket No. CUV-044.0
Examiner: M. Brannock

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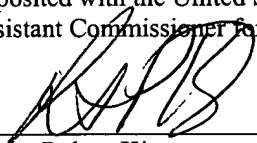
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Assistant Commissioner of Patents
Washington, D.C. 20231

RESPONSE UNDER 37 CFR 1.111

Sir:

This amendment is being filed in response to the outstanding Office Action, mailed January 11, 2001, in connection with the above application. Please enter the following amendments:

In the claims:

For the convenience of the Examiner, all claims being examined, whether or not amended, are presented below.

35. (Twice Amended) An isolated nucleic acid encoding a polypeptide comprising a *hedgehog* amino acid sequence which is at least 98 percent identical to a *hedgehog* protein of SEQ ID No:17, or an N-terminal fragment thereof having a molecular weight of about 19 kD, [thereof,]] which *hedgehog* amino acid sequence or fragment thereof binds to a *patched* protein or regulates proliferation of testicular germ line cells.